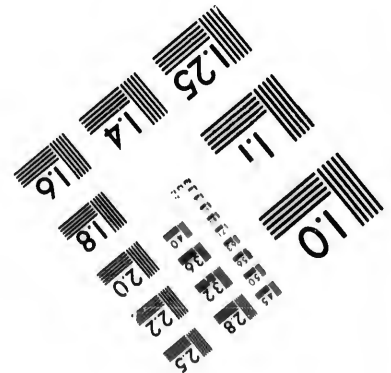
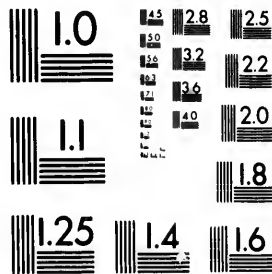


**IMAGE EVALUATION
TEST TARGET (MT-3)**



28
25
22
20

**CIHM/ICMH
Microfiche
Series.**

**CIHM/ICMH
Collection de
microfiches.**

10



Canadian Institute for Historical Microreproductions

Institut canadien de microreproductions historiques

1980

Technical and Bibliographic Notes/Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured covers/
Couverture de couleur
- Covers damaged/
Couverture endommagée
- Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée
- Cover title missing/
Le titre de couverture manque
- Coloured maps/
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur
- Bound with other material/
Relié avec d'autres documents
- Tight binding may cause shadows or distortion
along interior margin/
La reliure serrée peut causer de l'ombre ou de la
distortion le long de la marge intérieure
- Blank leaves added during restoration may
appear within the text. Whenever possible, these
have been omitted from filming/
Il se peut que certaines pages blanches ajoutées
lors d'une restauration apparaissent dans le texte,
mais, lorsque cela était possible, ces pages n'ont
pas été filmées.
- Additional comments:/
Commentaires supplémentaires:

- Coloured pages/
Pages de couleur
- Pages damaged/
Pages endommagées
- Pages restored and/or laminated/
Pages restaurées et/ou pelliculées
- Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées
- Pages detached/
Pages détachées
- Showthrough/
Transparence
- Quality of print varies/
Qualité inégale de l'impression
- Includes supplementary material/
Comprend du matériel supplémentaire
- Only edition available/
Seule édition disponible
- Pages wholly or partially obscured by errata
slips, tissues, etc., have been refilmed to
ensure the best possible image/
Les pages totalement ou partiellement
obscurcies par un feuillet d'errata, une pelure,
etc., ont été filmées à nouveau de façon à
obtenir la meilleure image possible.

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	14X	18X	22X	26X	30X
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12X	16X	20X	24X	28X	32X

The copy filmed here has been reproduced thanks to the generosity of:

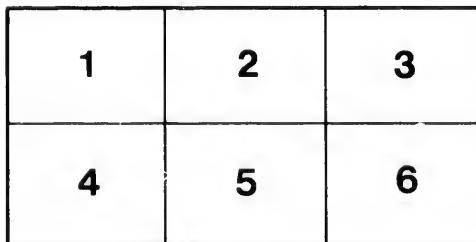
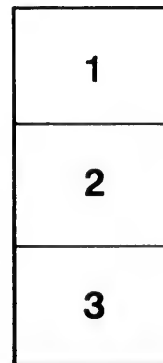
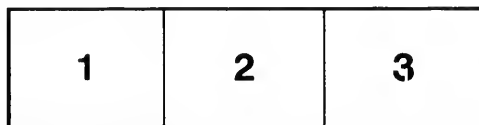
Ralph Pickard Bell Library
Mount Allison University

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol \rightarrow (meaning "CONTINUED"), or the symbol ∇ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

Ralph Pickard Bell Library
Mount Allison University

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole \rightarrow signifie "A SUIVRE", le symbole ∇ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.

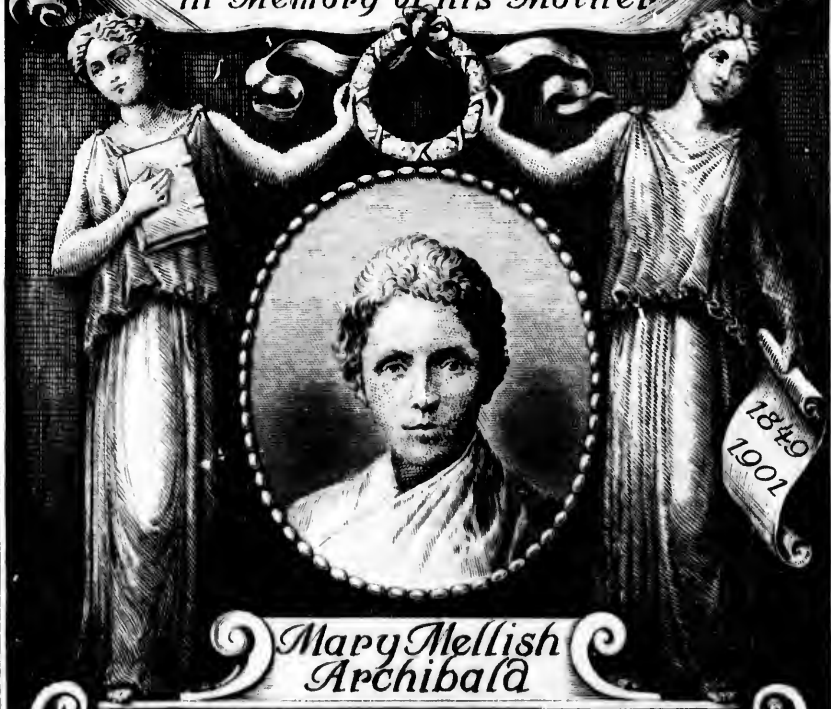
ata

elure,
à

32X

*Mount Allison Ladies College
Library*

*From
a fund established in 1905 by
Raymond Clare Archibald
in Memory of his Mother*



*Mary Mellish
Archibald*

*Graduate, M.L.A. 1867
Teacher, 1869 - 71.
Chief Preceptress, 1871 - 73.
Lady Principal 1885 - January 1901*

BAND OF HOPE RITUAL,

— WITH —

RESPONSIVE READINGS

— AND —

Temperance Hymns.

— — —

Arranged by

MRS. J. S. COWIE.

— — —

MONCTON, N. B.

OFFICE OF THE TELEPHONE

1884.

**Mary Mellick
Archibald
Memorial**

BRAND OF WIRE BATTERY

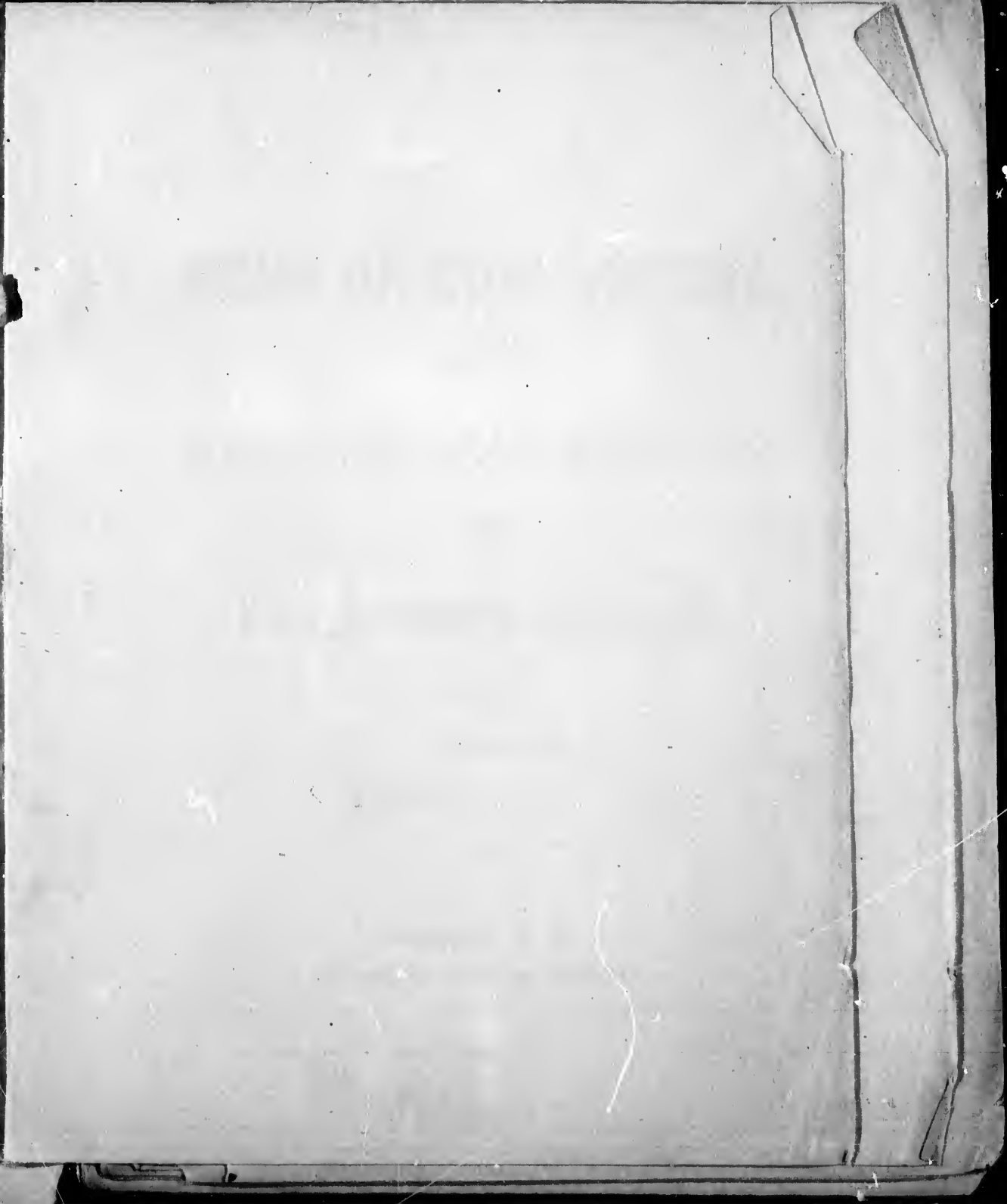
REMARKS

THE

OF

BY

THE





BAND OF HOPE RITUAL,

WITH

RESPONSIVE READINGS

AND

Temperance Hymns.



Arranged by
MRS. J. S. COWIE.



MONCTON, N. B.

OFFICE OF THE TELEPHONE

1884.

Mary Mellish
Archibald
Memorial

BOARD OF SUPERVISORS

1911

RESOLUTIONS

1911

RESOLUTIONS

1911

RESOLUTIONS

1911

RESOLUTIONS

1911

1911

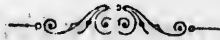
RESOLUTIONS

1911

RESOLUTIONS

1911

BAND OF HOPE RITUAL.



The President will call the meeting to order. If any officers are absent, others shall be appointed to temporarily fill their places.

SUPRINTENDENT: We are now about to open a regular meeting of the——Band of Hope.

The objects of this Society are mutual improvement in knowledge and virtue; to encourage one another in the principles and practice of Temperance. We would heed instruction, that we may be wise; and learn the terrible evils of Intemperance, that we may shun them.

A portion of Scripture may now be read, followed by Prayer, ending with Lord's Prayer, children repeating, after which shall be said this

RITUAL.

SUPRINTENDENT: What are our obligations of duty, one towards another?

Mary Mellish

Archibald

Memorial 236

MEMBERS. To do unto others as we would have them do unto us.

S. What are the duties we owe to our Creator?

M. Remember now thy Creator in the days of thy youth. Thou shalt love the Lord thy God with all thy heart.

S. What should be our conduct towards our parents?

M. Honor thy father and thy mother, that thy days may be long in the land which the Lord thy God giveth thee.

S. What are the duties which we owe to our Country?

M. Respect for our rulers, obedience to our laws, and loyalty to our Queen.

—•—•—•—•—•—•—

PRESIDENT: (My young friends) you have listened to the voice of instruction, and we trust you will give heed to those lessons, that you may be wise and good: because if we train up a child in the way he should go—

MEMBERS. When he is old, he will not depart from it.

P. What are we told in God's word regarding Wine?

M. Wine is a mocker, strong drink is raging, and whosoever is deceived thereby is not wise,

P. Use no strong drink—

M. It leadeth to excess and Intemperance; it will cover a man with rags, and make wretched the homes of many women and children.

P. Who hath woe? Who hath sorrow? Who hath contentions? Who hath babblings? Who hath redness of eyes? Who hath wounds without cause?

M. They that tarry long at the Wine; they that go to seek mixed wine,

P. How can we avoid these evils?

M. Look not thou upon the wine when it is red; when it giveth its color in the cup.

P. What will be the result should we not avoid them?

M. At the last it biteth like a serpent and stingeth like an adder.

P. What effect has drunkenness on worldly prosperity?

M. He that loveth pleasure shall be a poor man: he that loveth wine and oil shall not be rich.

P. Is there anything wrong in inducing others to use strong drink?

M. Woe unto him that giveth his neighbor strong drink, that putteth thy bottle to him and maketh him drunken also.

P. Among what graces does the Apostle Paul place Temperance?

M. The fruits of the spirit are Love, Joy, Peace, Long-suffering, Gentleness, Goodness, Faith, Meekness, Temperance; against such there is no law.

P. What is our rule concerning intoxicating drinks?

M. Abstain from all appearance of evil.

Touch not; taste not; handle not.

P. They are free from its temptations and shielded from its sorrows who faithfully keep the pledge which we renew again to-day:

Pres. and all Members repeat together the Pledge.

PLEDGE.

I do solemnly pledge myself, God helping me, to abstain from the use of all spirituous and malt liquors, Cider and Wine, as a beverage; from the use of Tobacco in every form, and from Profanity.

P. The Band of Hope is now regularly opened for the tranaction of business.

ORDER OF BUSINESS.

1. ROLL-CALL.
2. MINUTES.
3. REPORTS.
4. MISCELLANEOUS.

Any desiring admittance, the form for "Initiation" may be used before closing.

CLOSING.

SUPRINTENDENT. The time is come for closing our meeting. As we part, let us keep in mind the duties before us, and cheerfully endeavor to discharge them. I trust our meeting shall not

have been in vain: may its exercises animate us in our work, and make us firm and strong in our principles, and more faithful to the cause that binds us together.

Let us strive to be punctual at our next meeting on——and bring with us some new recruits.

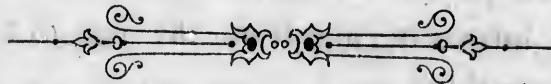


te us
n our
e that
meet-
cruis.

[Faint, illegible text, likely bleed-through from the reverse side of the page.]

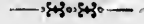
FORM OF

INITIATION.



[Faint, illegible text, likely bleed-through from the reverse side of the page.]

INITIATION.



After Singing, let the candidates be placed around the President's chair. [The Usher will say:

U. Worthy President: I present you these children who have wisely resolved to take our pledge and become members of this Band of Hope.

P. We heartily welcome you to our Band. Here we endeavor to lead you into paths of virtue and temperance. Our mission is to enforce upon our members a solemn pledge to abstain from the use of all drinks that intoxicate, and from the use of tobacco and profane speaking,—

What has ruined the hope and vigor of youth, and wrecked all the worth and honor of manhood? What has barbed the shafts of disease, and opened the fountains of crime? What fills our asylums with paupers, and strews the earth with unhonored graves? What peoples our cities with mourners and opens the gulf of despair?

Members: Intemperance.

P. What makes age keep the promise of youth?

What brings plenty into poverty's train? Gives health where avenging disease has laid the wan blight of his hand? What gladdens the sorrowing wife; brings bread to the famishing child; raises men from dishonor and vice and want and despair; comes to light up the darkness of earth with the brightness and blessing of Heaven?

M. The Temperance Pledge.

Each shall repeat the pledge after the President, with right hands uplifted.

Suprintendent: I now welcome you as members of this Band of Hope and as young soldiers in the Temperance army. We trust you will prove true to your pledge, faithful in your attendance at the meetings, and ever ready to perform whatever work may be given you to do. Never forget that you belong to the Band of Hope. Wherever you are; at home, at school, at play or at work, try to get recruits for the Temperance Army; and in every way seek to be a credit to the cause, an honor to the Band, useful in the world, and faithful to your God.

HYMN.

O Lord I lift my prayer to Thee,
And tho' Thyself I cannot see,
I know Thou wilt encourage me
My Pledge to keep.

Pure water is the drink for me,
And makes me what I want to be;
Because it cometh fresh from Thee,
My Pledge I'll keep.

And closely to Thy throne I'll press,
That Thou the Temp'rance cause
wouldst bless,
Yet vain were all my prayers, unless
My Pledge I keep.

All power is Thine, O Lord ! I know,
In Heaven above, on earth below;
So make me strong where'er I go,
My Pledge to keep.



LESSON 1.

LEADER. Blessed is the man that walketh not in the council of the ungodly, nor standeth in the way of sinners, nor sitteth in the seat of the scornful.

RESPONSE. But his delight is in the law of the Lord; and in His law doth he meditate day and night.

L. And he shall be like a tree planted by the rivers of water, that bringeth forth his fruit in his season; his leaf also shall not wither; and whatsoever he doeth shall prosper.

R. The ungodly are not so, but are like the chaff which the wind driveth away.

L. Therefore the ungodly shall not stand in the judgement, nor sinners in the congregation of the righteous.

R. For the Lord knoweth the way of the righteous but the way of the ungodly shall perish.

LESSON II.

L. Woe to the crown of pride, to the drunkards of Ephraim, whose glorious beauty is a fading flower, which are on the head of the fat valleys of them that

are overcome with wine.

R. But they also have erred through wine, and through strong drink are out of the way; the priest and the prophet have erred through strong drink, they are swallowed up of wine. they are out of the way through strong drink; they err in vision, they stumble in judgment.

L. And the Lord spoke unto Aaron saying,

R. Do not drink wine nor strong drink, thou, nor thy sons with thee, when ye go into the tabernacle of the congregations, lest ye die; it shall be a statute for ever throughout your generations.

L. And that ye may put difference between holy and unholy, and between clean and unclean.

LESSON IV.

L. And I set before the sons of the house of the Rechabites pots full of wine, and cups, and I said unto them, Drink ye wine,

R. But they said, We will drink no wine: for Jondab the son of Rechab our father, commanded us

saying, Ye shall drink no wine, neither ye, nor your sons for ever.

L. That ye may live many days in [the [land]] where ye be strangers.

R. Thus have we obeyed the voice of Jonadab the son of Rechab our father in all that he charged us, to drink no wine all our days, we, our wives, our sons, nor our daughters-

L. And Jeremiah said unto the house of the Rechabites, Thus saith the Lord of hosts, the God of Israel, because ye have obeyed the commandments of Jonadab your father, and kept all his precepts, and done according unto all that he hath commanded you:

R. Therefore thus saith the Lord of hosts, the God of Israel, Jonadab the son of Rechab shall not want a man to stand before me for ever.

L. It is good neither to eat flesh nor to drink wine, nor anything whereby thy brother stumbleth, or is offended, or is made weak.

R. For if any man see thee which has knowledge sit at meat in the idol's temple, shall not the conscience of him that is weak be emboldened to eat those things

which are offered to idols?

L. And through thy knowledge shall the weak brother perish for whom Christ died?

R. But ye sin so against the brethren, and wound their weak conscience, ye sin against Christ.

L. Wherefore if meat maketh my brother to offend, I will eat no flesh while the world standeth, lest I make my brother to offend.

LESSON V.

L. God be merciful unto us, and bless us; and cause His face to shine upon us;

R. That Thy way may be known upon earth, Thy saving health among all nations.

L. Let the people praise Thee, O God; let all the people praise Thee.

R. O let the nations be glad and sing for joy: for Thou shalt judge the people righteously, and govern the nations upon earth.

L. Let the people praise Thee, O God; let all the people praise Thee.

R. Then shall the earth yield her increase; and God,

even our God, shall bless us.

L. God shall bless us; and all the ends of the earth shall fear Him.

LESSON VI.

L. Blessed are the poor in spirit: for theirs is the kingdom of heaven.

R. Blessed are they that mourn: for they shall be comforted.

L. Blessed are the meek: for they shall inherit the earth.

R. Blessed are they which do hunger and thirst after righteousness: for they shall be filled,

L. Blessed are the merciful: for they shall obtain mercy,

R. Blessed are the pure in heart: for they shall see God.

L. Blessed are the peace-makers: for they shall be called the children of God.

R. It is not for kings, O Lemuel, it is not for kings to drink wine; nor for princes strong drink.

L. Lest they drink, and forget the law, and pervert the judgement of any of the afflicted.

R. And every man that striveth for the mastery is temperate in all things.

L. Nor thieves, nor coveteous, nor drunkards, nor revilers, nor extortioners, shall inherit the kingdom of God.

R. But Daniel purposed in his heart that he would not defile himself with the portion of the king's meat, nor with the wine which he drank: therefore he requested of the prince of the eunuchs that he might not defile himself.

L. So he consented to them in this matter, and proved them ten days. And at the end of ten days their countenance appeared fairer and fatter in flesh than all the children which did eat the portion of the king's meat. Thus Melzar took away the portion of their meat, and the wine that they should drink.



A NATIONAL ANTHEM.



O Lord our God! we bow
Low in Thy presence now,
O bless our cause!

We would our country free

From customs slavery;

We come for help to Thee—

God bless our cause!

We would from vice reclaim

Drunkards to praise Thy name

And love Thy laws;

Then to the drunkard's home

Plenty and peace may come,

Love on his hearth shall bloom—

God bless our cause!





TEMPERANCE HYMNS.



Opening Ode.

Tune: MANOAH.

Great God ! Thy presence we implore
While we together meet;
With reverence would we humbly bow
Before Thy gracious seat.

Let truth and temperance prevail
Throughout our favored land;
And may a num'rous host come forth
And join our growing band.

Let young and old, let rich and poor,
Their energies unite,
Until all people, climes, and tongues,
In temperance delight.

Dare to do Right.

Dare to do right ! Dare to be true !
You have a work that no other can do;
Do it so bravely, so kindly, so well,
Angels will hasten the story to tell.

CHORUS: Dare, dare, dare to do right!
Dare, dare, dare to be true!
Dare to be true, dare to be true.

Dare to do right ! dare to be true !
 Other men's failures will never save you ;
 Stand by your conscience, your honor, your faith ;
 Stand like a hero and battle till death.

CHORUS. Dare, dare, dare to do right! &c.

Dare to do right ! dare to be true !
 Jesus your Savior, will carry you through ;
 City, and mansion, and throne, all in sight,
 Can you not dare to be true and do right?

CHORUS. Dare, dare, dare to do right! &c.

Marching Along.

The army of temp'rance is gathering its men,
 From hill-top to mountain, from valley and glen;
 Cold water's our bev'rage, we are lusty and strong,
 Then come join our army and be marching along.

CHO. Marching along—we are marching along,
 Come join our army and be marching a-
 long;

Cold water will make us both valiant and
 strong,

Then come join our army and be march-
 ing along.

The foe may out-number us many a score,

Our leaders are valiant, and ne'er will give o'er;
 Our cause is humane, we shall triumph o'er wrong,
 Then come join our army and be marching along.

CHO. Marching along—we are marching along, &c

Band of Hope Song

March on! Band of Hope! Work to be done,
 March on to victory, soon it will be won.
 Hard tho' the conflict now, press thro' the fight:
 Dark tho' the present day, soon it will be light.

March on! Band of Hope! Strong for the right:
 March on, for great success, strike with all your
 might.

Trust in the Lord of hosts, He'll see us through;
 Kindly He'll point us out, how and what to do.

March on! Band of Hope! Bright days a-head;
 Fear not the scorn of man; nothing there to dread:
 Stand an unbroken band, Hearts brave and true:
 Trust in the Lord of hosts, He will see us through.

Ode of Welcome.

Tune: GOD SAVE THE QUEEN.

Welcome to join our Band,

Welcome with us to stand,

In this pure cause.

Welcome the pledge to take,

Welcome these vows to make,

And for sweet temperance' sake

To keep her laws.

Long may your hearts be bright,

Filled with the truth and light

Sent from above.

Long may we Brothers stand,

And Sisters—glorious band—

Bound firmly, hand in hand,

In Truth and Love.

Dare to be a Daniel.

Standing by a purpose true,

Heeding God's command,

Honor them, the faithful few!

All hail to Daniel's Band!

CHO. Dare to be a Daniel!

Dare to stand alone!

Dare to have a purpose firm!

Dare to make it known!

Many mighty men are lost,

Daring not to stand,

Who for God had been a host,

By joining Daniel's Band!—CHO.

Mary Mellish
Archibald
Memorial

Hold the temp'rance banner high !
On to victory grand !
Satan and his host defy,
And shout for Daniel's Band !—CHO.

Dismission.

Tune, ZION.

Now, O Lord ! in peace dismiss us,
May we all rejoicing go;
With Thy favor richly bless us,
While we sojourn here below;
And conduct us
Through this world of sin and woe,
May we all, by truth united,
Rally 'round the temperance cause;
Until every soul benighted
Shall obey the Savior's laws.
And delighted
Ever bear His hallowed cross.



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

PROBLEM SET 1

B. of H. Equations

Consider the Hamiltonian $H = H_0 + H_1$ where $H_0 = \frac{p^2}{2m} + V(x)$ and $H_1 = \lambda V_1(x)$. The unperturbed eigenstates $|n\rangle$ and eigenvalues E_n satisfy $H_0|n\rangle = E_n|n\rangle$. The perturbed eigenstates $|n\rangle$ and eigenvalues E_n satisfy $H|n\rangle = E_n|n\rangle$. The first-order correction to the energy is $E_n^{(1)} = \langle n|H_1|n\rangle$. The first-order correction to the wavefunction is $|n\rangle^{(1)} = \sum_{k \neq n} \frac{\langle k|H_1|n\rangle}{E_n - E_k} |k\rangle$.

PROBLEM 1

1.1. Consider a particle in a one-dimensional harmonic potential $V(x) = \frac{1}{2}m\omega^2 x^2$. The unperturbed eigenstates $|n\rangle$ and eigenvalues E_n are given by $E_n = \hbar\omega(n + \frac{1}{2})$ and $|n\rangle = \frac{1}{\sqrt{n!}} \left(\frac{m\omega}{\hbar}\right)^{1/4} e^{-\frac{m\omega x^2}{2\hbar}} \left(\frac{m\omega}{\hbar}\right)^{n/2} x^n$.

1.2. Consider a perturbation $H_1 = \lambda x^3$. Calculate the first-order correction to the energy $E_n^{(1)}$ and the first-order correction to the wavefunction $|n\rangle^{(1)}$ for $n=0, 1, 2$.

'THE TELEPHONE:'

A MONTHLY PAPER

Devoted to the interests of Temperance

50 Cents a Year.

B. of H. Supplies.

Band of Hope Ritual, 5 cts. each, per doz. 60 c
Band of Hope Pledge Cards, per 100 \$1.00
Band of Hope Chromo Gift Cards, pr 100 1.00
Band of Hope Certificate Cards, pr 100 75

ORDER FROM
MRS. J. S. COWIE,
MONCTON, N. B.

